NaFeO2-type crystal structure,

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AMENDMENTS TO THE CLAIMS:

(Currently amended) A nonaqueous electrolyte battery comprising:

 a positive electrode, a negative electrode, and a nonaqueous electrolyte,
 wherein the above nonaqueous electrolyte comprises contains at least a cyclic carbonate having a carbon-carbon π bond in an amount which is not greater than 20% by weight of said nonaqueous electrolyte, and

wherein the above positive electrode comprises contains a positive active material comprising a composite oxide represented by a composite formula: $\text{Li}_x \text{Mn}_a \text{Ni}_b \text{Co}_c \text{O}_2$ (wherein $0 \le x \le 1.1$, a+b+c=1, |a-b|<0.05, 0 < c < 1) and having an α -NaFeO₂-type crystal structure.

(Currently amended) A nonaqueous electrolyte battery comprising:

 a positive electrode, a negative electrode, and a nonaqueous electrolyte,
 wherein the above positive electrode comprises contains a positive active material
 comprising a composite oxide represented by a composite formula: Li_xMn_aNi_bCo_cM_dO₂
 Li_xMn_aNi_bCo_cO₂ (wherein 0≤x≤1.1, a+b+c=1, |a-b|<0.05, 0<c<1. d≤0.1) and having an α-

wherein M comprises a member selected from the group consisting of V. Al. Mg. Cr. Ti. Cu and Zn. and

wherein the battery is fabricated using a nonaqueous electrolyte comprises containing at least a cyclic carbonate having a carbon-carbon π bond in an amount which is not greater than 20% by weight of said nonaqueous electrolyte.

- 3. (Currently amended) The nonaqueous electrolyte battery according to claim 1, wherein the above cyclic carbonate having a carbon-carbon π bond comprises at least one member is one or more selected from the group consisting of vinylene carbonate, styrene carbonate, catechol carbonate, vinylethylene carbonate, 1-phenylvinylene carbonate, and 1,2-diphenylvinylene carbonate.
- 4. (Currently amended) The nonaqueous electrolyte battery according to claim 1, wherein the above negative electrode comprises contains a graphite.

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- 5. (Currently amended) The nonaqueous electrolyte battery according to claim 1, wherein the above nonaqueous electrolyte comprises uses a mixture of an inorganic lithium salt and an organic lithium salt having a perfluoroalkyl group.
- 6. (Currently amended) The nonaqueous electrolyte battery according to claim 2, wherein the above cyclic carbonate having a carbon-carbon π bond comprises at least one member is one or more selected from the group consisting of vinylene carbonate, styrene carbonate, catechol carbonate, vinylethylene carbonate, 1-phenylvinylene carbonate, and 1,2-diphenylvinylene carbonate.
- 7. (Currently amended) The nonaqueous electrolyte battery according to claim 2, wherein the above negative electrode comprises contains a graphite.
- 8. (Currently amended) The nonaqueous electrolyte battery according to claim 2, wherein the above nonaqueous electrolyte comprises uses a mixture of an inorganic lithium salt and an organic lithium salt having a perfluoroalkyl group.
- 9. (New) The nonaqueous electrolyte battery according to claim 1, wherein said cyclic carbonate having a carbon-carbon π bond comprises vinylene carbonate.
- 10. (New) The nonaqueous electrolyte battery according to claim 1, wherein said nonaqueous electrolyte further comprises a nonaqueous solvent including at least one cyclic organic compound having no carbon-carbon π bond.
- 11. (New) The nonaqueous electrolyte battery according to claim 1, wherein said cyclic organic compound having no carbon-carbon π bond comprises at least one member selected from the group consisting of ethylene carbonate, propylene carbonate, and butylene carbonate.
- 12. (New) The nonaqueous electrolyte battery according to claim 1, wherein 0.33≤c≤0.8.

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- 13. (New) The nonaqueous electrolyte battery according to claim 1, further comprising:

 a lithium ion-permeable protective film formed on a surface of the negative electrode, said protective film comprising a decomposition product of vinylene carbonate and having a density and lithium ion permeability which are dependent upon reaction between said nonaqueous electrolyte and said composite oxide.
- 14. (New) The nonaqueous electrolyte battery according to claim 13, wherein said nonaqueous electrolyte comprises a nonaqueous solvent, said protective film restraining a decomposition of the nonaqueous solvent.
- 15. (New) The nonaqueous electrolyte battery according to claim 1, wherein an increase in thickness of said battery after an 84 day high temperature storage test is no greater than about 8%.
- 16. (New) The nonaqueous electrolyte battery according to claim 4, wherein said graphite comprises a modified graphite that has been modified by adding thereto at least one member selected from the group consisting of a metal oxide, phosphorus, boron, and amorphous carbon.
- 17. (New) The nonaqueous electrolyte battery according to claim 4, wherein said graphite comprises a combination of a graphite with one of a lithium metal and a lithium metal-containing alloy.
- 18. (New) The nonaqueous electrolyte battery according to claim 1, further comprising:

 a separator formed between said positive and negative electrodes,

 wherein said positive electrode comprises a positive composite and a positive

 collector which is adjacent to said separator, and said negative electrode comprises a negative

 composite and a negative collector which is adjacent to said separator.
- 19. (New) A method of fabricating a nonaqueous electrolyte battery, comprising:

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forming a negative electrode;

forming a positive electrode comprising a positive active material comprising a composite oxide represented by a composite formula: Li_xMn₀Ni₀Co₀O₂ (wherein 0≤x≤1.1, a+b+c=1, |a-b|<0.05, 0<c<1) and having an α -NaFeO₂-type crystal structure;

forming a separator between said positive and negative electrodes;

pouring a nonaqueous electrolyte into a battery package for housing said positive and negative electrodes and separator, said nonaqueous electrolyte comprising a cyclic carbonate having a carbon-carbon π bond in an amount which is not greater than 20% by weight of said nonaqueous electrolyte; and

performing an initial charge/discharge to form a lithium ion-permeable protective film on a surface of the negative electrode, said protective film comprising a decomposition product of vinylene carbonate and having a density and lithium ion permeability which are dependent upon reaction between said nonaqueous electrolyte and said composite oxide.